

Rec'd PCT/PTO 06 DEC 2004

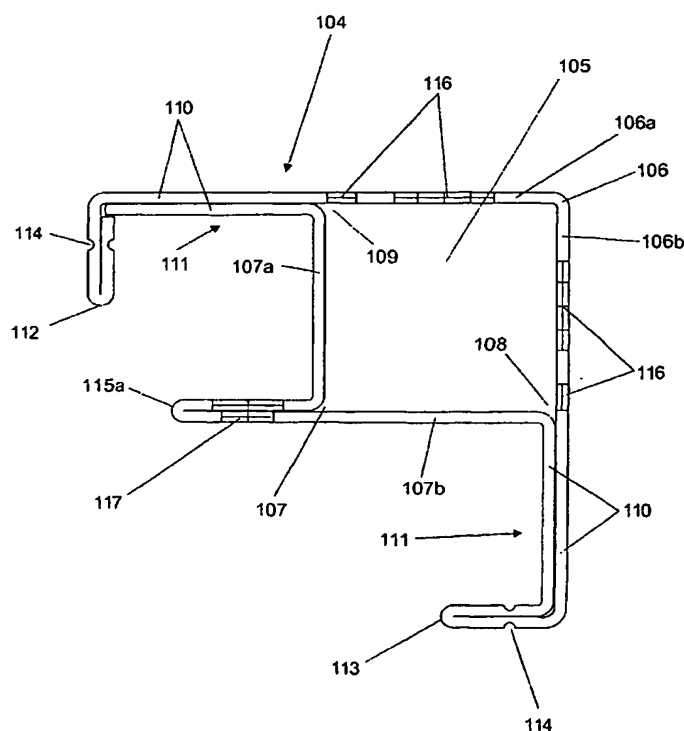
(19) World Intellectual Property Organization  
International Bureau(43) International Publication Date  
18 December 2003 (18.12.2003)

PCT

(10) International Publication Number  
WO 03/105552 A2

- (51) International Patent Classification<sup>7</sup>: H05K 7/00
- (21) International Application Number: PCT/BR03/00071
- (22) International Filing Date: 4 June 2003 (04.06.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
PI0202231-1 6 June 2002 (06.06.2002) BR
- (71) Applicant and  
(72) Inventor: FRANCISQUINI, Melquisedec [BR/BR]; Rua Dr. Oscar Monteiro de Barros, 580 apt. 11 - Vila Suzana, 05641-010 São Paulo (SP) (BR).
- (74) Agents: SIMBOLO MARCAS E PATENTES LTDA. et al.; Rua Tabapuã, 627, cj. 44, Itaim Bibi, 04533-012 São Paulo (SP) (BR).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**  
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: IMPROVEMENT IN METALLIC PROFILE FOR THE COMPOSITION OF STRUCTURES FOR THE ASSEMBLY OF CABINETS/ENCLOSURES



(57) **Abstract:** Comprehending a profile (104) that, from the outside, constitutes the means of support for the closings and accessories, while on the inside, the same structure configures the struts for the assembly of components and electric and electronic devices, in addition to which this profile (104) presents a cross section with a geometry defined by a central core in the tubular shape with a quadrangular section (105), where the vertex (106) is oriented to the inside of the cabinet (100), while the opposite vertex (107) is oriented to the outside of this cabinet (100), and these two vertexes are formed by single walls, which does not apply to the other two remaining vertexes (108) and (109), which are defined by the junction of the sheet that forms the first two vertexes (106-107) and from this point on, the double walls (110) are extended in a coplanar position in relation to the adjacent walls (106a-106b) of the vertex (106), forming opposite rims (111a 111b), whose ends are perpendicularly folded forming short ends (112) and (113) which, besides being grooved (114), are also distanced in parallel from the adjacent walls (107a-107b) of the vertex (107), whose wall (107a) includes a projection perpendicularly oriented to the outside, configuring a perpendicular rim (115), finalizing the configuration of a profile that permits the assembly of structures (103) which, in turn, receives different closings (101) and doors (102), configuring cabinets/enclosures or boxes (100).